Title (en)

SYSTEMS, METHODS AND APPARATUS FOR DIFFERENTIAL AIR PRESSURE DEVICES

Title (de)

SYSTEME, VERFAHREN UND GERÄT FÜR DIFFERENTIAL-LUFTDRUCKVORRICHTUNGEN

Title (fr)

SYSTÈMES, PROCÉDÉS ET APPAREIL POUR DES DISPOSITIFS À PRESSION D'AIR DIFFÉRENTIELLE

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Application

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Abstract (en)

[origin: WO2009051750A1] Methods, apparatus, and systems for calibrating differential air pressure systems are described. The methods, apparatus, and systems may be adapted for physical training of an individual, e.g. as a training tool to improve performance or as a physical therapy tool for rehabilitation or strengthening. The differential air pressure systems comprise a chamber for receiving at least a portion of a user's body. In one embodiment, a method for calibrating a differential air pressure system for predicting effective body weight of a user versus system pressure is described. In certain variations, the methods, apparatus and systems may comprise adjusting pressure in the system until one or more force values are reached. The methods described herein may comprise determining a relationship between body weight force and pressure, allowing the user to set a pressure or a parameter correlated with pressure to achieve a desired effective body weight.

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